

522a may be removed for multiple reasons. For example, when the power supply **522a** is in a relatively low charge/energy state, the power supply **522a** may be removed and replaced with a different power supply that is fully charged, or at least in a relatively higher charge/energy state as compared to the power supply **522a**. This can reduce downtime associated with charging the power supply **522a**. It should be noted that, although not shown, the accessory device **500** can include a compartment (similar to the compartment **124** shown in FIG. 2) that is used to hold the power supply **522a**, rather than the sleeve **532**.

[0063] FIGS. 9 and 10 illustrate alternate embodiments of a power supply that can be used with the accessory device **500** shown in FIG. 8. The power supplies shown in FIGS. 9 and 10 can be substituted/interchanged with the power supply **522a** shown in FIG. 8.

[0064] FIG. 9 illustrates a power supply **522b** that is smaller than the power supply **522a** shown in FIG. 8. While the power supply **522b** may provide less energy storage as compared to the power supply **522a**, the power supply **522b** occupies less space in the sleeve **532** (shown in FIG. 8) as compared to the power supply **522a**, resulting in additional space for the sleeve **532** to carry other items. FIG. 10 illustrates a power supply **522c** that is larger than the power supply **522a** shown in FIG. 8. As a result, the power supply **522c** may include increased energy storage as compared to the power supply **522a**.

[0065] FIG. 11 illustrates a plan view of an embodiment of an accessory device **600**, showing the accessory device **600** with a cover **604** that holds a power supply **622** and a charging module **642**, in accordance with some described embodiments. The accessory device **600** includes a receptacle **602** designed to receive and carry an electronic device (not shown in FIG. 11). The cover **604** is connected to the receptacle **602** by a hinge **606**. The cover **604** includes a power supply **622** and a compartment **624** that holds the power supply **622** and the charging module **642**.

[0066] In some embodiments, the charging module **642** is an inductive charging module that includes an inductive charging receiver coil designed to receive energy (through electromagnetic or magnetic induction) that is used to charge the power supply **622**. Alternatively, in some embodiments, the charging module **642** is an inductive charging module that includes an inductive charging transmitter coil that receives energy from the power supply **622**, and transmits the energy (through electromagnetic or magnetic induction) to an external device (not shown in FIG. 11) to charge a battery in the external device. As non-limiting examples, the external device may include a digital stylus that can provide into through interaction with a display of an electronic device, a wearable electronic device (such as a smart watch), wireless earphones, or an electronic device (such as a mobile wireless communication device). Still, in some embodiments, the charging module **642** includes a charging coil that acts as both an inductive charging receiver coil and an inductive charging transmitter coil.

[0067] FIG. 12 illustrates a plan view of an embodiment of an accessory device **700**, showing the accessory device with a cover **704** that holds a power supply **722** and multiple charging modules, in accordance with some described embodiments. The accessory device **700** includes a receptacle **702** designed to receive and carry an electronic device (not shown in FIG. 12). The cover **704** is connected to the receptacle **702** by a hinge **706**. The power supply **722** is

located on the cover **704**. The cover **704** further includes a compartment **724** that holds the power supply **722**, as well as a charging module **742a** and a charging module **742b**.

[0068] FIG. 13 illustrates a front isometric view of an alternate embodiment of an accessory device **800**, showing the accessory device **800** with a carrier **844** that is capable of receiving user accessories, in accordance with some described embodiments. The accessory device **800** includes a receptacle **802** designed to receive and carry an electronic device (not shown in FIG. 13). The accessory device **800** further includes a cover **804** that is connected to the receptacle **802** by a hinge **806**. The cover **804** includes a power supply **822** and a compartment **824** that holds the power supply **822**. The accessory device **800** may further include a charging module **842**. As shown, the charging module **842** is located on the cover **804**. However, in some embodiments (not shown in FIG. 13), the charging module **842** is located on the receptacle **802**, such as along a back surface of a wall of the receptacle **802**.

[0069] The carrier **844**, or holster, is designed to receive the user accessories. As shown in FIG. 13, the user accessories include a wireless earphone **846a** and a wireless earphone **846b**, each of which can be at least partially inserted into a respective slot (not labeled) of the carrier **844**. The wireless earphone **846a** and the wireless earphone **846b** are designed to connect to an electronic device (not shown in FIG. 13) through a wireless protocol, such as BLUETOOTH® (as a non-limiting example), and provide acoustical energy to a user in the form of audible sound. The charging module **842** may include an inductive charging transmitter coil that receives energy from the power supply **822**, and transmits the energy (through electromagnetic or magnetic induction) to charge a respective battery in the wireless earphone **846a** and the wireless earphone **846b**.

[0070] FIG. 14 illustrates a plan view of an alternate embodiment of an accessory device **900**, showing the accessory device with a hinge **906** that is capable of receiving user accessories, in accordance with some described embodiments. The accessory device **900** includes a receptacle (not shown in FIG. 14, but similar to prior embodiments) designed to receive and carry an electronic device (not shown in FIG. 14). The accessory device **900** further includes a cover **904** that is connected to the receptacle by the hinge **906**. The cover **904** includes a power supply **922** and a compartment **924** that holds the power supply **922**. The accessory device **900** may further include a charging module **942a** and a charging module **942b**. As shown, in a closed position (shown in FIG. 14) of the accessory device **900**, the hinge **906** covers the charging module **942a** and the charging module **942b**. Although not shown, in some embodiments, the charging module **942a** and the charging module **942b** are integrated into the hinge **906**.

[0071] The user accessories may include a wireless earphone **946a** and a wireless earphone **946b** that can be at least partially inserted into the charging module **942a** and the charging module **942b**, respectively. The charging module **942a** and the charging module **942b** may include an inductive charging transmitter coil that receives energy from the power supply **922**, and transmits the energy (through electromagnetic or magnetic induction) that is used to charge a respective battery in the wireless earphone **946a** and the wireless earphone **946b**, respectively.

[0072] FIG. 15 illustrates a plan view of an alternate embodiment of an accessory device **1000**, showing the